land-line telephone set, AC voltage cycles needed to drive the ringer in the land-line telephone set, and AC voltage for voice conversation; a regular house power outlet to receive power needed for voltage drivers, shown in **Fig. 2B**, to split house AC power into an 8V DC and an 11V DC power outputs for a connected land-line telephone and other functional components in the claimed apparatus.

Claims #2: replace [One or more circuitry] with The ; add component called ring tone circuit controller after the word "apparatus"; and replace [, to generate the ring tone sequence signal, upon activation by mobile telephone ring signal, shown in the block diagram of **Fig. 2C** with connection to mobile phone headphone outlet in order to activate the ringer in land-line telephone set.] with and shown in the block diagram of **Fig. 2C**, which connects to voltage drivers for an 11V DC power supply; to a mobile phone headphone output for a 3V AC signal input; to land-line telephone set with a 12V AC ringer cycles when mobile phone receives incoming call and with a 3V AC signal for phone conversation, and is comprised of: one Ring Tone Generator (***RTG***) that is connected to a headphone outlet of a mobile phone which, upon receiving an incoming call, sends out a 3V AC signal to activate the generation of a 6 seconds high-low voltage cycles to drive the ringer of a connected land-line telephone; and one Impedance Variation Detector (***IVD***) that, upon detecting line resistance variation caused by lifting or hanging-up land-line telephone handset, switches the 11V DC power supply to the ***RTG*** unit to silence the land-line telephone ringer or to get ready for an incoming 3V AC signal to drive the 6 seconds voltage cycles needed to set off land-line telephone ringer.

Claim #3: replace [One or more circuitry apparatus, as part of elements claimed in claim **1**, to detect resistance variation caused by land-line telephone set in order to control power supply for generating ringer signal in land-line telephone set.] with The circuitry design, as part of circuitry elements included in the ***IVD*** unit claimed in claim **2** and shown in **Fig. 3E**, which is used to detect resistance variation caused by lifting or hanging-up land-

line telephone handset in order to control 11V DC power supply to the ***RTG*** module through a mechanical relay, and is comprised of: one high pass filter design, consist of one resistor **45**, one induction coil **46**, and one capacitor **47**, to attenuate any low frequency signal in human voice domain; two capacitors, **49** and **51**, to remove high frequency background noise; one pair of diode, **48** and **52**, to regulate current direction and make parasitic AC voltage into positive; and one differential amplifier **59** to drive the connected mechanical rely unit.

Claim #4: replace [One or more circuitry apparatus, as part of elements claimed in claim **2**, to transform ring tone signal from mobile phone onto the power supply needed for activating the clock signal generator circuitry claimed in claim **2**.] with The circuitry design, as part of circuitry elements included in claim **2** and shown in **Fig. 3D**, which is used to connect 11V DC power supply to a clock generator upon detecting a 3V AC signal input from mobile phone, and it includes: one ring tone trigger circuitry design, as shown in **Fig. 3G**, that is made of a pair of emitter and receiver diodes to detect 3V AC signal input from mobile phone, a transistor to eliminate low frequency analog signal, a diode to regulate current direction, a high frequency filtering capacitor, a pair of voltage stabilizing zener diodes, and a MOSFET transistor to turn on the connection for 11V DC power supply, through a mechanical relay, to a clock generator; one normally ON mechanical relay that is placed between one ***IVD*** and one ***RTG*** units, as shown in **Fig. 3E** and stated in Claim **2**, and is made of one inductor and three terminals to switch off the 11V DC power supply after the ***IVD*** unit detects the connected phone line resistance variation.

Claim #5: replace [an utility box] with the claimed apparatus, as stated in claim **1**, ; replace [the] with an on the 2nd line of this claim; also replace [as the] with into an at the end of the 2nd line of this claim; and add to the end of the 3rd line of this claim the following text: through the following sequences: the first, connect the claimed apparatus to a earplug outlet of mobile phone for signal input; the second, connect the claimed apparatus to a land-line

telephone set to send out DC power needed to activate the land-line telephone set; the third, detect an input AC signal from mobile phone earplug to activate ***RTG*** circuitry designed, as stated in claim **4**, in order to generate 6 seconds high-low voltage cycles to drive land-line telephone ringer; the fourth, detect resistance variation in connected line after the land-line handset is picked up using the ***IVD*** circuitry design, as stated in claim **3**, to switch power supply to ***RTG*** module to stop a ring voltage cycles to the land-line telephone; the fifth, the claimed apparatus, as stated in claim **1**, now provides a path for a 3V AC voice signal between mobile phone and land-line telephone to carry out voice communication; the sixth, detect resistance variation in connected line after the land-line telephone handset is hang-up, at end of phone conversation, using the ***IVD*** circuitry design, as stated in claim **3**, to switch power supply to ***RTG*** module to be ready for generating a ring voltage cycles to the land-line telephone; the seventh, the apparatus is in ready mode, awaiting for an input AC signal from mobile phone earplug, to repeat the sequences from the third to the sixth.

Claim #6: delete [or like device]; add following the first, the second, the fifth, the sixth, and the seventh steps stated in claims 5, to the end of the 1st line of this claim; replace [the] with an at the end of the 2nd line of this claim; replace [the] with a before the text "caller side" on the 3rd line of this claim; replace [the] with a before the text "receiving party" on the 4th line of this claim.

Claim #7: Cancelled.

(I) Page #12: under "**ABSTRACT OF THE INVENTION**" section,
line #9: replace [the] with a before the word "receiver"
line #10: replace [the] with a before the word "caller"

(J) **Fig. 2C** replacement: replace diagram block ***(F)*** description text from [**PCM regenerative repeater**] to **Ring Tone Generator**